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Notice of Allowability	Application No.	Applicant(s)	
	10/697,571	NAKAZAKI ET AL	
	Examiner	Art Unit	
	Anjan K. Deb	2858	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment 07/18/2006 and interview summary 7/27/2006.
2. ☒ The allowed claim(s) is/are 1,2 and 4-11.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>20060727</u> . |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date <u>05/16/2005</u> | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

DETAILED ACTION

1. This office action is in response to amendment filed 07/18/2006 and interview summary 7/27/2006.

Examiner's Amendment

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Thomas G. Bilodeau on 7/27/2006.

This application has been amended as follows:

Claim 1. (Currently amended) A sensor device comprising:

a coated electric wire wound around a detection circuit in a planar manner so as to electrostatically shield the detection circuit, wherein the electric wire is coated with an insulating material;

a detection circuit board having the detection circuit; and

a cylindrical case;

wherein the coated electric wire is wound around the detection circuit board in a cylindrical manner so as to form a cylindrical surface, and the direction of an axis of the cylindrical surface is parallel to the direction of the axis of the case.

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Claim 3. (Cancelled)

Allowable Subject Matter

3. Claims 1,2,4-11 are allowed.

Reasons for Allowance

4. The following is an examiner's statement of reasons for allowance:

Applicant's arguments with respect to claim 3 (page 6, last paragraph, and page 7) have been considered and is convincing. Accordingly, claim 1 has been amended by including the limitations from claim 3.

The primary reason for the allowance of claim 1, is the inclusion of in the combination as claimed, a detection circuit board having the detection circuit, and a cylindrical case, wherein the coated electric wire is wound around the detection circuit board in a cylindrical manner so as to form a cylindrical surface, and the direction of an axis of the cylindrical surface is parallel to the direction of the axis of the case.

Pertinent Art

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Berkcan (US 20020011832) discloses electrostatic shield winding wound around sensor winding.

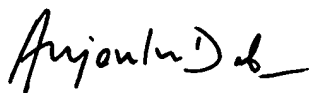
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Bullock (US 5,066,904) discloses electrostatic shield 56 for a current sensor (Fig. 3).

Cotton (US 6,713,685 B1) discloses EMI shielding structure for printed circuit on circuit board.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dr. Anjan K. Deb whose telephone number is 571-272-2228. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew H. Hirshfeld can be reached at (571) 272-2168.



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7/28/06